

इंटरनेट

मानक

Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 12162 (1987): Lifting Hook [FAD 21: Farm Implements and Machinery]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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Indian Standard

(Reaffirmed 1999)

SPECIFICATION FOR
LIFTING HOOK

1. Scope — Specifies material, dimensions and other requirements of lifting hooks used by one man for lifting and rolling of small size logs.

2. Material — Shall be made of suitable steel in hardened and tempered conditions meeting the requirements given in 2.1. Suitable composition of the steel is:

Carbon	0.4 to 0.5 percent
Silicon	0.35 percent, <i>Max</i>
Manganese	0.5 to 0.9 percent
Sulphur	0.05 percent, <i>Max</i>
Phosphorus	0.05 percent, <i>Max</i>

2.1 Hardness — 35 to 42 HRC.

3. Shape and Dimensions — Shape and dimensions of lifting hook shall be as given in Fig. 1.

3.1 Tolerance on the dimensions shall be 'very coarse class' specified in IS : 2102 (Part 1)-1980 'General tolerances for linear and angular dimensions (*second revision*)'.

4. Other Requirements — The hook shall not deform when a load of 200 kg is applied.

5. Workmanship and Finish — The hook shall be free from cracks, burrs, pits and other defects detrimental to their normal use.

5.1 The hook shall be painted with the crimson red [see Indian Standard colour No. 540 of IS : 5-1978 'Colours for ready mixed paints and enamels (*third revision*)'].

6. Designation — Lifting hook shall be designated by its name and number of this Indian Standard as follows:

Lifting hook IS : 12162

7. Marking — Each hook shall be legibly and indelibly stamped with the manufacturer's name or trade-mark and the batch or code number at a convenient place.

7.1 Standard Marking — Details available with the Bureau of Indian Standards.

8. Packing — The lifting hooks shall be packed as agreed to between the manufacturer and the purchaser.

9. Sampling — Unless otherwise agreed to between the manufacturer and the purchaser, the sampling plan and criteria for conformity as given in Appendix A shall be followed.

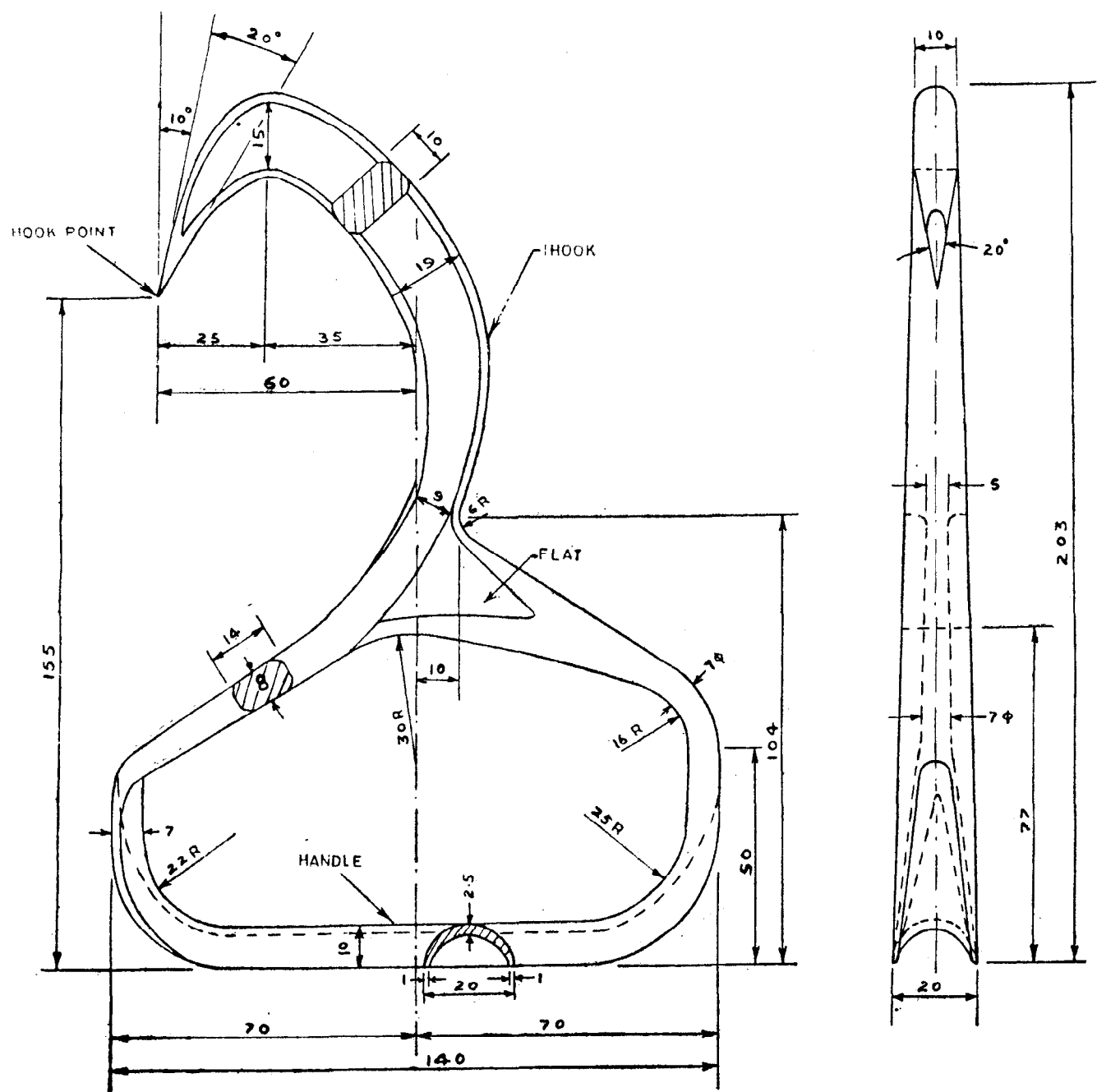
APPENDIX A

(Clause 9)

SCALE OF SAMPLING AND CRITERIA FOR CONFORMITY

A-1. Scale of Sampling

A-1.1 Lot — In any consignment, all the hooks of the same nominal size manufactured under similar conditions of manufacture shall be grouped together to constitute a lot.



All dimensions in millimetres.

FIG. 1 LIFTING HOOK

A-1.2 For ascertaining the conformity of the lot to the requirements of this specification, tests shall be carried out from the hook selected from each lot separately. The number of hook to be selected at random from a lot shall be in accordance with col 1 and 2 of Table 1. To ensure the randomness of selection, the procedure as laid down in IS : 4905-1968 'Method for random sampling' shall be followed.

A-2. Number of Tests and Criteria for Conformity

A-2.1 The hooks selected according to **A-1.2** shall be examined for material (see 2), dimensions (see 3 and Fig. 1) and general requirements (see 4 and 5). Any hook failing to meet the requirements for any one or more of the characteristics mentioned above shall be declared defective.

A-2.1.1 The lot shall be considered conforming to the requirements of the characteristics mentioned above, if the number of hooks found defective is less than or equal to the corresponding number given in col 3 of Table 1.

TABLE 1 SAMPLING SIZE AND PERMISSIBLE NUMBER OF DEFECTIVES*(Clause A-1.2 and A-2.1.1)*

Lot Size	Sample Size	Permissible Number of Defectives
(1)	(2)	(3)
Up to 50	5	0
51 to 150	8	0
151 to 300	13	1
301 to 500	20	2
501 and above	32	3

EXPLANATORY NOTE

Lifting hooks are used by one man for lifting, rolling and turning of small size logs.

In the preparation of this standard assistance has been derived from Logging Development Division, Forest Research Institute and Colleges, Dehra Dun.